

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10882 (1984): Cam Levers [PGD 2: Machine Tool Elements and Holding Devices]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Machine Tools, Machine Tool Elements and Woodworking Machines Sectional Committee, EDC 11; Jigs, Fixtures and Tooling Elements Subcommittee, EDC 11 : 9 [ Ref : Doc : EDC 11 ( 3690 ) ]



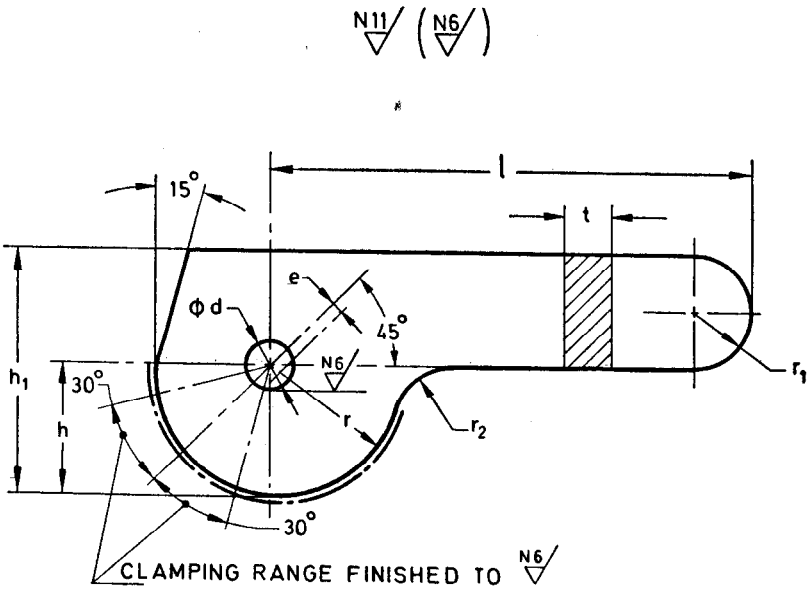
Indian Standard

SPECIFICATION FOR CAM LEVERS

1. **Scope** — This standard specifies dimensions and other requirements for cam levers to be used with cam operated clamps conforming to IS : 6090 - 1984 'Specification for cam operated clamps ( first revision )'.

1.1 A typical application of cam levers to cam operated clamps is shown in Appendix A.

2. Dimensions



All dimensions in millimetres.

<i>e</i>	<i>l</i>	<i>d</i> F7	<i>h</i>	<i>r</i>	<i>r</i> <sub>1</sub>	<i>r</i> <sub>2</sub>	<i>h</i> <sub>1</sub> ≈	<i>t</i>
1.50	63	6	16	16	7.5	8	31	6
2.00	80	6	21	21	10.0	10	41	10
2.50	100	8	25	25	12.5	12	50	12
3.00	125	10	30	30	15.0	15	62	16

**Note** — Dimensional deviations for untoleranced dimensions : Medium class according to IS : 2102 ( Part 1 ) - 1980 'General tolerances for dimensions and form and position: Part 1 General tolerances for linear and angular dimensions ( second revision )'

3. **Material** — The material shall be case hardened steel having tensile strength of 600 to 750 N/mm<sup>2</sup>. The cam portion shall be hardened to 680 HV, Min.

4. **Designation** — A cam lever having *e* = 3 mm and *l* = 125 mm shall be designated as:  
CAM LEVER 3 × 125 IS : 10882

5. **Finish** — The cam levers shall be free from cracks, burrs, pits and other defects. The handle portion shall be free from sharp corners.

**6. Preservation and Packing**

**6.1** A suitable anticorrosive surface treatment shall be given to the cam levers.

**6.2** The cam levers shall be packed in accordance with the best trade practice.

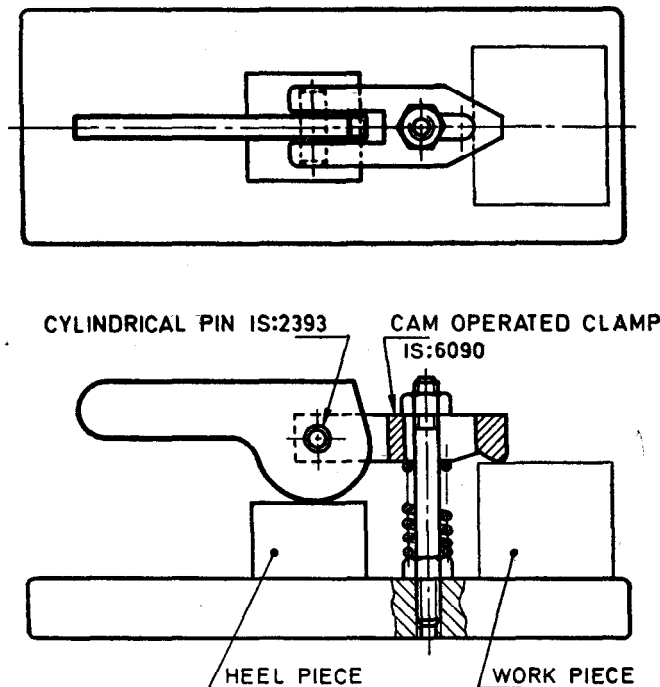
**7. Marking** — The cam levers shall be marked at an appropriate place with the designation and manufacturer's name or trade-mark.

**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**APPENDIX A**

( Clause 1.1 )

**A Typical Application of Cam Levers with Cam Operated Clamps**



**EXPLANATORY NOTE**

This standard has been prepared based upon the experience of our industry to rationalize the sizes of cam levers to be used with cam operated clamps.